

GI 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ
 PACKAGES AND PROPERTIES: NONE

F HELLER, L.

5057. IMPORTANCE OF HEAT PUMP IN THERMAL GENERATION OF ELECTRICITY.
 Heller, L. (Doctor's Thesis, Budapest, 1948).

The economic importance of the use of the heat pump is analyzed by a method based on Q/E diagrams for three basic types of conditions with regard to sources of power available. Different ways of improving the efficiency of heat pumps are suggested.

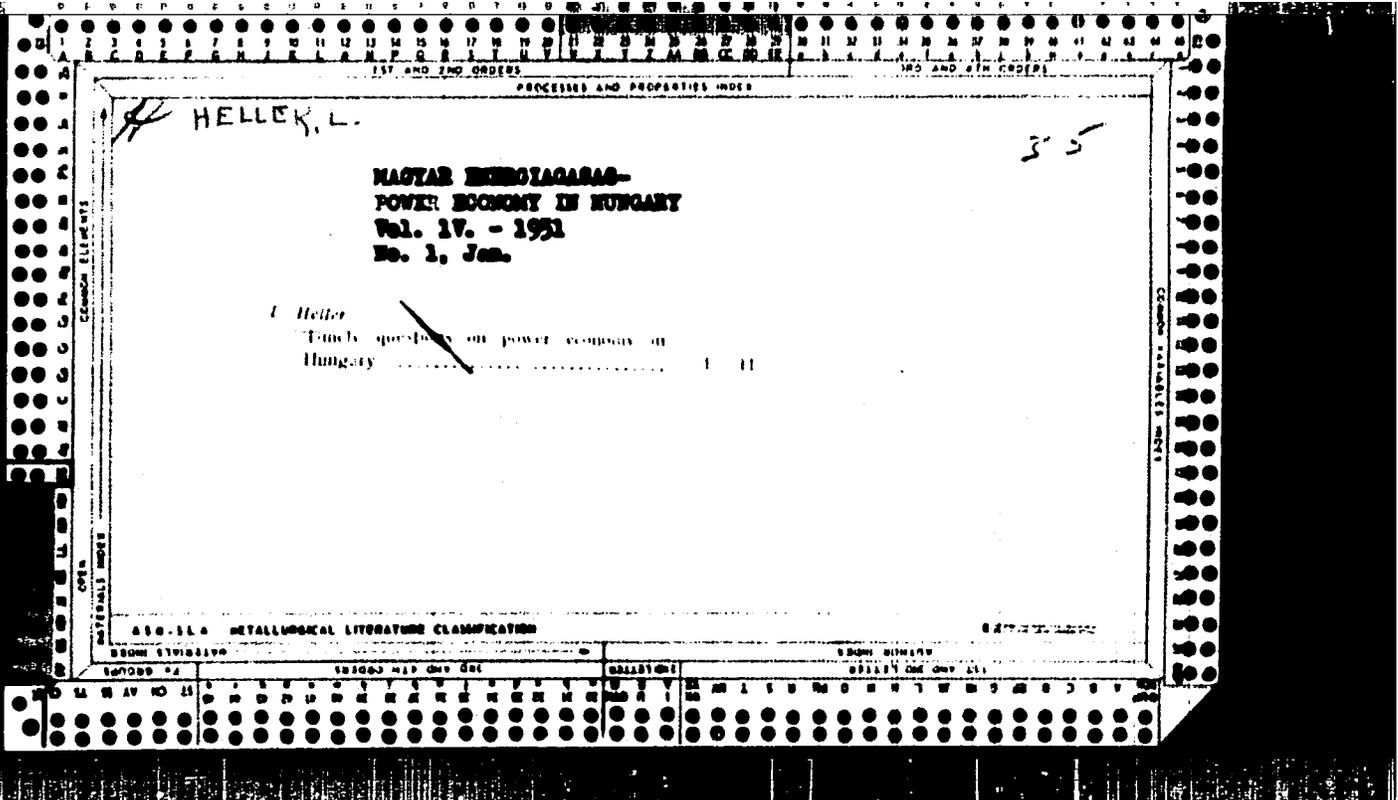
METALLURGICAL LITERATURE CLASSIFICATION
 62-1111-1000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ

Steam Plants

S. A. HELLER, L.
Sect. A

621.175 : 621.311.22
 603. Cooling water problems on steam power stations. L. Heller. *Acta Tech. Hungarica*, 1, 199 213 (No. 3, 1951) in Russian.
 Cooling of steam condensers influences overall efficiency of power stations. Operation of systems using water (from atmospheric towers or basins) or forced air draught is discussed. A new system is proposed in which the condensate from an injecting condenser goes in part to the boiler and the balance through a system of pipes, air-cooled, through a pump and the injector is returned to the condenser. Advantages of this system warrant further technical and economic investigation of possibilities of its application in large power stations, especially in locations with limited water supply.



HELLER, L.

HUNG:

31. Struggle against the increase of entropy -- *Harc az entropiadekezes ellen* -- L. Heller. (Hungarian Power Economy -- *Magyar Energetika*) -- Vol. 5, 1952, No. 1-2, pp. 2-22, 27 figs.)

The method generally used to determine the efficiency of energy transformation processes does not furnish satisfactory information. Essentially this method means the calculation of the thermal balance. There are certain processes however (throttling) where the heat balance does not show any loss, though there is a loss of energy. The heat balance does not indicate the losses caused by the irreversibilities occurring during the processes; nevertheless these losses may be shown at any time by investigating the changes in entropy. Where there is a growth in the total value of the entropy of the media involved in the processes, there necessarily is always a loss of energy. Similarly to the usual heat flow diagrams, it is advisable to construct an entropy diagram of the processes as well in which the harmful irreversibilities are immediately apparent and indicate the points where efficiency may be improved. By this investigation it may be established that e.g. in the ordinary Rankine cycle it is not the condenser of the steam turbine where the efficiency of the cycle may be best improved -- although the greatest loss of heat occurs there -- but at the boiler where the steam is generated. The smallest increase of entropy at the first mentioned point indicates that heat losses occurring there are thermodynamically inevitable while the much greater

4000

(over)

increase of the latter reveals that this point of the system may still be considerably improved by using alloys which resist higher temperatures. The most frequent irreversible processes, e.g. mixing heat transfer and convection at finite temperature differences, as well as the comparison of the numerous practical examples indicate numerically the important economies which may be obtained by the new concept. In the future the engineers must investigate thermodynamic problems in this light.

1/1

Beal
0/2500

HELLER, L.

3

HUNG

1709. Heller, L., New possibilities for generating electric power from waste heat (In Hungarian), *Magyar Energetikaiudg.* 6, 2, 34-43, 15 figs., 1953.

Article deals with the exploitation of waste heat which, mainly due to its low power, is not being utilized (low-pressure exhaust steam, hot water, low-temperature flue gases, etc.). New possibilities for the utilization, separately or together, of heat contained in flue gases and hot water are discussed. The proper choice of steam pressure to be applied if flue gases are utilized with steam as a medium (for producing electric power) presents an interesting problem. In this connection the results of computation are useful in themselves and, on the other hand, offer a basis for comparing the methods of utilization dealt with with the classical procedure. As a result of this comparison it can be established that, e.g., the suggested method of flue-gas utilization combined with an absorption heat pump generally obtains a 20 to 30% improvement, depending upon the initial temperature of the gas. Author recommends the utilization of the heat energy of industrial hot water (e.g., the heated cooling water of open-hearth furnaces) and of natural hot-water springs through a system using extremely low pressure but greatly overheated steam, as a further development of the connection proposed by H. Glaessl at the Fourth International Heat Energy Congress. A combination of this solution and the afore-mentioned absorption method may yield more than twice the amount of electric power as that obtainable in plants utilizing flue gases in the usual manner, without utilizing the heat contained in the cooling water.

From author's summary

Courtesy of Hungarian Technical Abstracts

135 Jw

HELLER, L.

"Contribution to fighting the increase of entropy." Acta Technica, Budapest, Vol. 6,
No. 3/4, 1953, p. 263.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

HELLER, L.

New thermodynamic aspects and possibilities in construction of atomic power plants. p. 329. MAGYAR ENERGIAGAZDASAG. Budapest. Vol. 8, No. 9, Sept. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

HELLER, L.

Remarks on Istvan Erdelyi's article "Some Problems of the Heat Economy at the Beginning of the Atomic Age.". p. 339 Budapest. Vol. 8, No. 9, Sept. 1955

magyar Energiagazdaság

Source: East European Accessions List (EEAL), Lc, Vol. 5, No. 2, Feb. 1956

HELLER, L.

New thermodynamic aspects and possibilities concerning the construction of atomic power plants; also, closing speech by Pal K. Kovacs. p. 201. Iozlemenyei. Budapest. Vol. 17, no. 1/2, 1955.

Source: East European Accessions List, (EEAL), Lc, Vol. r, No. 2, Feb. 1956

HELLER, L.

✓ 4 New viewpoints and possibilities of the thermodynamics of atomic power stations

Phys ... temperature ... of ...
... of the ...
... power stations ... it is not sufficient to merely

eliminate the irreversibility from the work process proper but, insofar as possible, the entire process should be made reversible. Complete reversibility would be ensured by isothermal heat transfer; an appropriate working medium should be sought for this. Mercury or some

temperature level of heat transfer resulting therefrom

HELLER, L

Distr: h53d

2650. NEW POINTS OF VIEW AND POSSIBILITIES OF THERMODYNAMIC DESIGN OF ATOMIC POWER PLANTS. Heller, L. (Energietechnik, June 1954, Vol. 7, 255-263). Discusses problems connected with determination of the most efficient thermal cycle, and the optimum combination of nuclear power plants and the continued use of customary fuels. (L).

3, Paul

of Paul

HELLER, L.

Artificial cooling of electric generators; also, remarks by A. Mandi and others.
p.227.

Magyar Tudományos Akademia. Muszaki Tudományok Osztálya. KOZLEMENYEL. Budapest,
Hungary. Vol. 23, no. 3/4, 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

HELLER, Laszlo, Kossuth-dijas muegyetemi tanar

Technical sciences; power engineering; the past one and a half decades
in retrospect. Elet tud 16 no.49:1560-1561 3 D '61.

1. Magyar Tudomanyos Akademia levelezo tagja.

HELM, Laszlo

A new type of pneumatic regulator. Meres automat ll no.2:62-64 '63.

1. Magyar Tudományos Akadémia Automatizálási Kutató Laboratórium
tudományos munkatársa; "Mérés és Automatika" szerkesztő bizottsági
tagja.

BOZSIK, Valéria; HEMER, László, dr., akadémikus, egyetemi tanár, főmérnök

Vanity of engineers. Ujt lap 17 no.7:5 13 Ap '65.

1. Institute of Power Economy, Budapest (for Heller).

I 31356-66

ACC NR: AT6021143

SOURCE CODE: HU/2504/65/050/000/0093/0124

AUTHOR: Holler, L.--Kholler, L. (Member MTA)

23

B+1

ORG: none

TITLE: New power station system for unit capacities in the 1000 mw range

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 50, 1965, 93-124

TOPIC TAGS: power generating station, electric power plant

ABSTRACT: To satisfy the ever-increasing demand for power, the conventional power plant cycle must be fundamentally modified. By a combined binary vapor-plant cycle (water as an upper medium and an appropriate coolant in the lower region), turbosets of very high capacities can be developed, while the use of air-cooled condensing equipment permits the utilization of potentials available at low ambient temperatures. Investigations on the use of ammonia as the coolant showed that the combined system - with high unit capacities - may be economical in terms of both first cost and heat consumption. Orig. art. has: 17 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 10 / SUBM DATE: 11Jan65 / ORIG REF: 001 / OTH REF: 003
SOV REF: 001

Card 1/1 CC

HELLER, M.

Multi-daylight woodworking presses.

p. 39 (CHECHOSLOVAK HEAVY INDUSTRY) No. 7, 1956,
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

HELLER, Maria

Aminotripeptidase. Pol. arch. med. wewnet. 34 no.11:1465-1469
'64.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w
Warszawie (Kierownik: prof. dr. med. T. Orłowski).

HENNER, Max, (Karlovy Vary)

Lubrication of wood fiberboard making machines of the Defilmator
Stockholm (Sweden) system. Reconnaitre no. 7:215 J164

HELLER, P.

Poland

Foundry progress in the second half of 1953 (continuation from previous number)

SC: Foundry Journal, Poland #5, May 1955, Unclassified.

HELLER, Salvatore, Dr.

Therapy of allergic states. Med. int., Bucur. 7 no.4:151-152
Oct-Dec 55.

1. Clinica II medicala OMF Spitalul I.C. Frimu-Bucuresti.
(ALLERGY, therapy
auto-hemother.)
(SERTHERAPY, in various dis.
auto-hemother. in allergic dis.)

HELLER, S.

Country : Rumania F
Category :
Abs. Jour : 45698
Author : Frehden, J. and Heller, S.
Institut. : Not given
Title : P-T Diagrams and Nomograms as Simple Aids in
Vacuum Distillation Under Laboratory Conditions
Orig Pub. : Rev Chim, 9, no 10, 528-560 (1958)
Abstract : The authors present diagrams and nomograms based
on the Clausius-Clapeyron equation and on Trouton's
law for use in vacuum distillation. The use of
the diagrams and nomograms is explained and a
sample calculation is included.
Authors' summary

Card: 1/1

HELLER, V.

HELLER, V. Importance of the maintenance of tractors by each shift. p. 116.

Vol. 6, no. 5, Mar. 1956
MACHANISACE ZEMEDELSTVI
AGRICULTURE
Czechoslovakia

So: East European Accessions, Vol. 6, no. 5, May 1957

HELLER, VILMOS

Heller, Vilmos, "Hagy magyar orvosok. (budapest) Nepszava (1952) p. 36 (Great Hungarian physicians)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

HELLER, Vilmos, dr.

Mhlers-Danlos syndrome. Orv. hetil. 96 no.35:971-973 28 Aug 55.

1. A Budapesti Fovarosi Istvan Korhaz Gyermeksebészeti
Osztályának főorvos: Heller Vilmos dr.) közleménye.
(EHLERS-DANLOS SYNDROME)

HELLER, Vilmos, dr.; INCZE, Ferenc, dr.; SZOKS, Laszlo, dr.

About infantile cancer; in connection with a case of colon cancer in a 9 years old girl. Orv. hetil. 97 no.9:250-252 26 Feb 56

1. Az Istvan Korhas Gyermeksebészeti Osztályának (főorvos: Heller Vilmos dr.) a Budapesti Orvostudományi Egyetem II. sz. Kóronctani Intézetének (igazgató: Haranghy Laszlo dr. egyet. tanár) és a budapesti Orvostudományi Egyetem I sz. Gyermekklinika-jának (igazgató: Gegesi Kiss Pal dr. egyetemi tanár) közleménye.
(COLON, neoplasm
of hepatic flexure in child, pathol. (Hun))

HELLER, Vilmos, dr.

Data from the field of traumatology in children. *Nepegeszsegugy*
38 no.1-2:18-22 Jan-Feb 57.

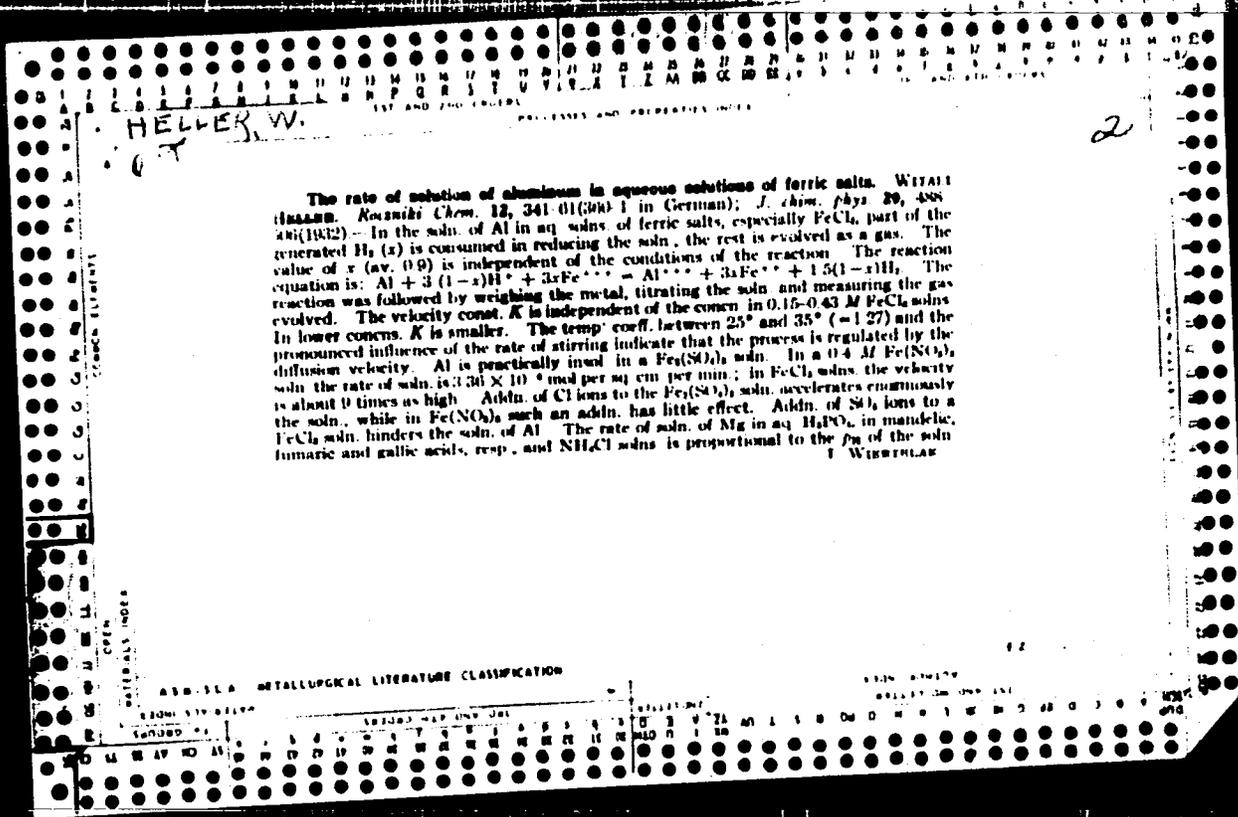
1. Koslemeny a fovarosi Istvan-korhas (igazgato: Katona, Istvan,
dr.) gyermeksebesseti osztalyarol (foorvos: Heller, Vilmos, dr.).
(WOUNDS AND INJURIES, in inf. & child
statist. (Hun))

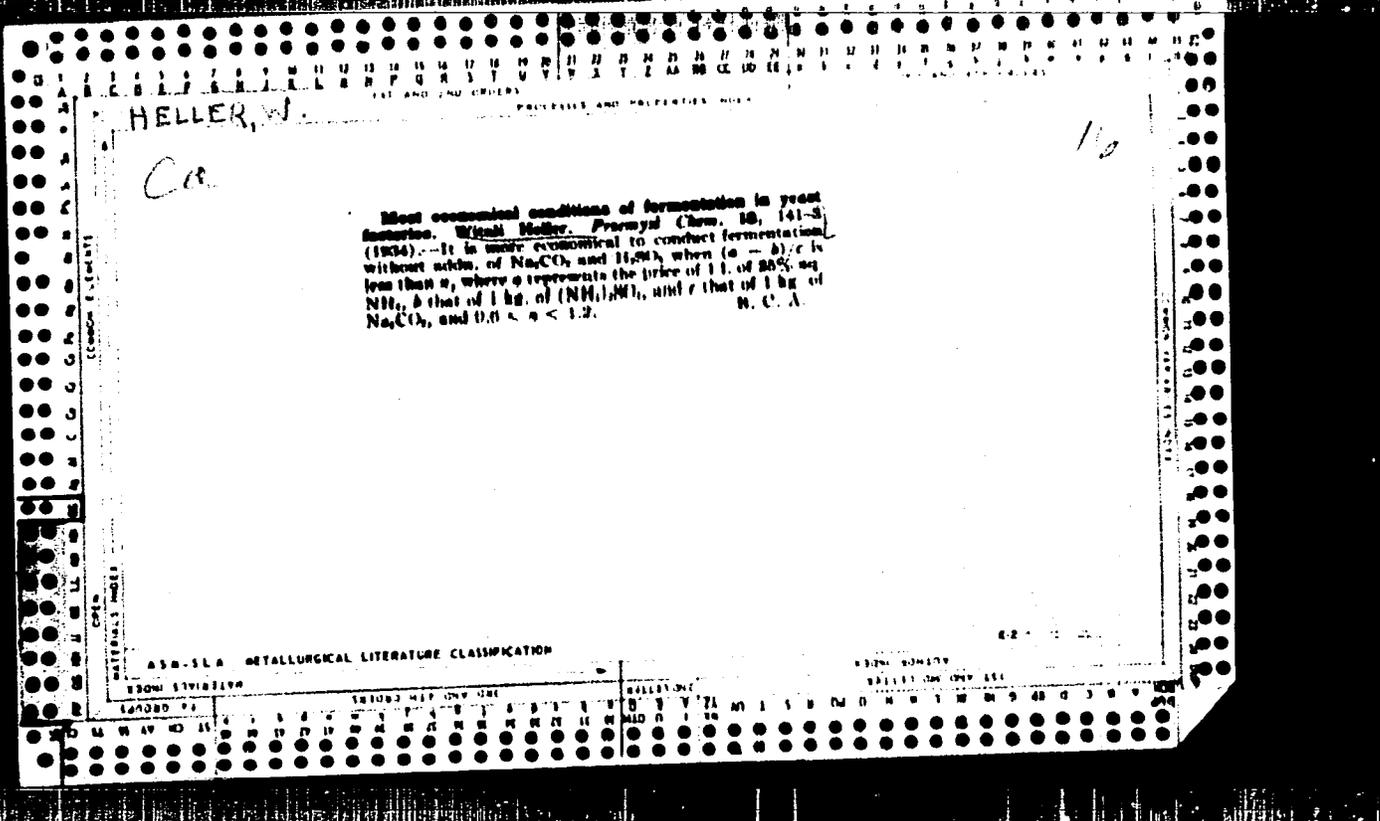
HELLER, Vilmos, dr.

Pediatric surgery. Orv. hetil. 98 no.13:334-336 31 Mar 57.

1. A Fovarosí Istvan Korház (igazgató: Katona, Istvan, dr.)
Gyermeksebészeti Osztályának (főorvos: Heller, Vilmos, dr.)
közleménye.

(PEDIATRIC DISEASES, surg.
(Hun))





117 AND 120 SERIES PROCESSING AND PROPERTIES INDEX

HELLEK, W. 15

CO

Areometric determination of the yeast content of wort and its application to the separation of yeast in yeast factories. Witali Hellek. *Przemysl Chem.* 19, 3 D (1935).
 --The yeast content can be detd. areometrically, with a mean error of 0.25-0.5%, according to the d. of the wort. A no. of formulas are given, connecting the ds. of subs. with their yeast contents; they are applicable to the control of the various stages of yeast production.

H. C. A.

Common Elements

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

100000 01 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

HELLER, W. A-1

BC

Velocity of dissolution of copper in nitric acid.
 M. CURRAN and W. HELLER (with J. BRAUER)
 (Zinn. Chem., 1939, 18, 423-433).—The velocity of
 dissolution of Cu in HNO₃ up to 4N, above which it
 rises abruptly; stirring retards the reaction. The
 temp. coeff. is 2.0 for 2N and 4.0 for 2N-HNO₃ for the
 range 25–35°. Cu immersed in 4N-HNO₃ is thereby
 passivated with respect to <2N, but not to >4N-
 HNO₃. The reaction is accelerated by small amounts
 of KNO₃, FeSO₄, K₂Cr₂O₇, or KMnO₄. R. T.

COMMON ELEMENTS

COMMON VARIANTS INDEX

658-35A METALLURGICAL LITERATURE CLASSIFICATION

FROM SUBJECT

CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

HELLER, W.

POL . .

621 311 22 004 54(438)

2195. Breakdown exercises in the Wawon power station. W. HELLER, *Energeryka*, 9, No. 1, 17-20 (1953) In Polish.

Exercises were carried out while the power station was delivering 65 MW. Under supervision of the exercise leader and special controllers 12 members of the operating personnel simulated all operations required to maintain a 10 MW turbogenerator in service after its normal auxiliary power supply failed owing to a cable terminal fault. Details of planning, execution and evaluation of this personnel training exercise are given.

J. LUKASZEWICZ

BT 2/21

HELLER, W.

Testing changes of potential in a network by simple means, p. 21. (ENERGETYKA, Stalinograd, Vol. 9, no. 1, Jan./Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

HELLER, W.

Turbine damages during the operation of turbogenerators as synchronous engines. p. 108.

ENERGETYKA. Ministerstwo Energetyki Stalinograd. Vol. 9, no. 2, Mar./Apr. 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 7, July 1956.

HELLER, W.

Damages to thermal equipment in electric power plants in factories. Pt. 1 (To be contd.) p.186.

ENERGETYKA, Vol. 9, No. 4 July/Aug. 1955

(Ministerstwo Energetyki) Stalinograd.

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1

Jan. 1956

HELIET, W.

Damaging thermal equipment in electric power plants. Pt. 2. p. 261.

ENERGETYKA, Vol. 9, No. 5 Sept./Oct. 1955

(Ministerstwo Energetyki) Stalinograd.

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 Jan. 1956

WELP, J., Jacewski, J.

Storm damageability of high-voltage networks in the year 1957. Pt. 1.

(To be contd.) p. 203.

(ENERGY GA. Vol. 11, no. 4, July/Aug. 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EVAL) L. Vol. 6, no. 12, Dec. 1957.
Incl.

HELLER, W.

"Damages in heating installations in factory electric-power plants in 1955 and 1956."

Pt. 1 p. 281 (Energetyka) Vol. 11, no. 6, Nov./Dec. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

HELLER, W.

Faults in Polish overhead lines. Pt. 1 (to be cont.) p. 98

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektrykow
Polskich) Bytom, Poland. Vol. 13, no. 4, Apr 1959

Monthly List of EastEuropean Accessions (EEAI) IC, Vol. 8, no. 9, September 1959.
Uncl.

HELLER, W.

Faults in Polish overhead lines. Pt. 2. p. 126

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektrykow
Polskich) Bytom, Poland. Vol. 13, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no 9, September 1959
Uncl.

HELLER, Wilhelm, mgr inz.

Polish exhibition of technical progress and inventiveness in the
power industry. Energetyka Pol 14 no.1:6-12 '60. (KEAI 9:6)
(Poland --Electric power)

HELLER, Wilhelm, mgr inz.

Rationalization movement in the power industry. Energetyka Pol
14 no.1:12-13 '60. (BEAI 9:6)
(Poland --Power (Mechanics))

HELLER, Wilhelm, mgr. inż.

Polish conference concerning technical progress and inventiveness
in the power industry. Energetyka Pol 14 no.1:20-21 '60. (EEAI 9:6)
(Poland --Power (Mechanics))

HELLER, Wilhelm, mgr inz.

Main trends of technical progress in electric power engineering
in 1960. Energetyka Pol 14 no.8:233-237 Ag '60.

HELLER, Wilhelm, mgr., inz.

The Polish exhibition "Automation in power engineering". Energetyka
Pol 16 no.2:34-40 '62.

KWAL, Marcei, mgr. inz.; HELLER, Wilhelm, mgr. inz.; JACZEWSKI, Marek,
~~dr.~~ inz.; JASINSKI, Edward, mgr. inz.

Correction to the article, "Lightning faults of the Polish
high voltage network in 1958 - 1959." Energetyka 16
no.5:158 My '62.

1. Główny inżynier, Zakłady Wytworcze Aparatów Wysokiego
Napięcia im. G. Dymitrowa (for Kwal).

HELLER, Wilhelm, mgr inż.

Development trends in the field of technology of electric power engineering. Energetyka Pol 16 no.10:304,305-307 0 '62.

1. Zjednoczenie Energetyki, Warszawa.

HELLEROVA; PLESSINGEROVA

Organized summoning of patients for follow-up. Cesk. pediat. 16
no.6:565-566 Je '61.

(PREVENTIVE MEDICINE)

HELLICH, B.

POLAND

HELLICH, BOHDAN [Affiliation not given]

"Addendum to the history of pharmacies in the county of Kolo."

Warsaw, Farmacja Polska, Vol 19, No 5, 10 March 63, pp 94-95

Abstract: A historical account in general of the apothecary in Kolo, Kielcya, Pabianice and Bida.

This article is part of a series which is to be concluded in a subsequent issue of this publication.
four photographs

1/1

POLAND

HELLICH, Bohdan [Affiliation not given]

"Contribution to the History of Pharmacies in the Powiat of Kolo."

Warsaw, Farmacja Polska, Vol 19, No 6, 25 Mar 63, pp 111-112.

Abstract: Continuation of an article on the history of the pharmacy in Dabie, powiat of Kolo. Even though this locality was known to exist as far back as 1232 and received its rights as a municipality in 1423, the town did not really start to develop until 1798-1830, and its first apothecary shop was opened there probably in 1840-1850. Ownership is traced, with much attention given to owner Wacław Hellich, who owned the shop in the beginning of the century and who used it for considerable anti-tsarist activity. There are further illustrative photographs, and article is to be concluded. No references.

1/1

HELLICH, Bohdan

Contribution to the history of pharmacies in the Kolo District.
Farmacja Pol 19 no.7:126-128 10 Ap '63.

HELLICH, Bohdan

Joanna Bronislawa Stilter: obituary. Farmacja Pol 19 no.11/12:
264 25 Je '63.

HELIK, PIATKOWSKA, Malina

Preliminary results of the treatment of neuroses with nialamid.
Neurol. etc., polska ll no.4:547-551 '61.

1. Z Kliniki Psychiatrycznej AM w Warszawie Kierownik: prof. A.Jus
oraz z Wojewódzkiej Poradni Zdrowia Psychicznego w Warszawie Dyrektor:
dr B. Kostkiewicz.

(IPRONIAZID rel opds) (DEPRESSION ther)

HELLINEK, Harry

MARK, Istvan, MD; HELLINEK, Harry, MD

Hungary

Budapest Medical School, Pathology Institute No. II
(Budapesti Orvostudományi Egyetem II. sz. Kóronctani
Intézete), (Head: Prof. László Haranghy, MD) (for all)

Budapest, Gyermekgyógyászat, Vol XIV, No 2, Feb 63, pp 40-46

"Developmental Anomalies and Histoplasmosis."

(2)

7825:

Hellman, Olavi. On the solution of the one dimensional Schrodinger equation in case of a potential well. Ann. Acad. Sci. Fenn. Ser. A. VI, no. 11 (1958), 9 pp.

The author translates into vector-matrix terms an iterative solution of the equation within the well, and the technique of matching this with suitable exponential solutions valid outside the well. For his earlier work on the case of a finite interval see Z. Angew. Math. Mech. 35 (1955), 300-315 [MR 17, 489].

F. V. Atkinson (Canberra)

2
1-F/W

4/11/58
gt

HELMAN, W.

Principles of designing automatic hydroelectric power stations. p. 230.
(PRZEGLAD ELEKTROTECHNICZNY, Vol. 30, No. 6, June 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.
1954, Uncl.

HELMANN, Włodzimierz

The First Scientific and Technological Conference on the regulation of synchronous electric machines voltage; held in Warsaw, October 26-27, 1961. Przegl elektrotechn 38 no.3:120-121 Mr '62.

HELLMANN, Włodzimierz, doc.; SZCZERBA, Zbigniew, mgr inż.

Modern designs of turbogenerator voltage regulators. Przegl
elektrotechn 40 no.5:243-245 My '64.

1. Institute of Power Engineering, Gdansk.

HELLMAN, Z

Make Die Forging in the Forging Press. S. Hellman. (Sintering, Press, and Heat Treatment) (111, 812-821). In *CASTING*, 1954, 1: 1-10. Forging without liquid are described. Die forging by pressing is shown to be economically superior to drop forging. — p. 4.

of

HELLMAN, Zdenek

"Basic trends in specialization of the forge shops" by V.S. Bjalkovskaja
[Byalkovskaya, V.S.]. Reviewed by Zdenek Hellmann. Stroj vyr 11 no.2:
105 F. '63.

WERNER, J.

Die forge shop in the USSR. p. 497. STROJIRNENEA VIROBA. (Ministerstvo strojirenstvi) Praha. Vol. 3, no. 12, Dec. 1955.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

WELLS, A., FORD, A.

"Pathogenesis of the abdominal purpura of Schonlein-Henoch." p. 691. (CASOPIS LÉZAVU
CESKYCH, Vol. 92, #25, June 1953, Czechoslovakia)

East European Vol. 2, #8
SO: Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.

HELLMUTH, Karel, MUDr.

Treating of injured hand in district hospitals. Acta chir.
orthop. traum. cech. 23 no.2:87-91 Feb 56.

I. Z Chirurgického Oddelení OUNZ v Ústí nad Orlicí, přednosta
MUDr. Karel Hellmuth.

(HAND, wds. & inj.

open, surg. indic. (Cz))

(WOUNDS AND INJURIES,

hand inj, open, surg. indic. (Cz))

PTA

HELLWIG, Z.

8

1914

719

Hellwig Z. Directives for Shaping Green Areas in Towns.

„Prace nad wytycznymi dla kształtowania terenów zielonych w miastach”. Architektura. No. 9, 1951, pp. 281—307.

A study of the methods of investigating the purposes of green areas in towns. Formulation of directives for planning the general scheme of green areas in towns of various size, consideration being given to special kinds of greenery.

Hellwig, Z.

034942
Dendrology. (Collective work edited by S. Białobok and Z. Hellwig).
„Drzewoznawstwo”. (Praca zbiorowa pod red. S. Białoboka i Z. Hell-
wiga). Warszawa, 1955, PWRiL, 16, 797 pp. 390 figs.
Morphological descriptions of trees and shrubs, their use and culti-
vation (roses for green areas; arrangement of trees and shrubs according
to their biological and ecological requirements; trees and shrubs for par-
ticular kinds of green areas; arrangement of trees and shrubs according
to plastic properties; reproduction of trees and shrubs; planting and
cultivation; diseases and pests).

2

HELLMIG, ZYGMUNT.

AGRICULTURE

HELLMIG, ZYGMUNT. Zasady programowania, lokalizacji i planowania terenów zielonych. Łoże, Stanisław: Polscy architekci i planiści ogrodów, Lisiak, Bernard: Projektowanie i realizacja terenów zielonych m. Poznania w oparciu o badanie siedlisk i zespołów roślinnych. Warszawa, Państwowe Wydawn. Techniczne, 1951. 56 s. (Warsaw. Instytut Urbanistyki i Architektury. Prace. r.1, zesz. 3)

Monthly List of European Accessions (BEAI) LC Vol. 2, no. 5
May 1959, Unclass.

HELLWIG, Z.

Determination of parameters of linear regression by the two-point method.

p. 66.

(ZASTOSOWANIA MATEMATYKI. Vol. 3, no. 1, 1956, Poland).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

HELMING, S - AUSLANDER, D

Some ecologic observations regarding small mammals of the Valul-Traian forest-protection belts; with special reference to their dynamics. In French. p. lll

Bucharest. Muzeul National de Istorie Naturala "Grigore Antipa."
TRAVAUX. Bucuresti, Rumania. Vol. 1, 1957

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959
Uncl.

HELLWING, S - AUSLANDEP, D.

Study on variability and biology of the birch mouse (Sicista subtilis nordmanni Keys. et Blas. 1840). In German. p. 255.

Bucharest. Muzeul National de Istorie Naturala "Grigore Antipa."
TRAVAUX. Bucuresti, Rumania. Vol. 1, 1957

Monthly list of East European Accessions (EEAI) LC Vol i, No. 6, June 1959
Uncl.

SCHNAPP, B.; PAPADOPOL, A.; HELLWING, S.

Mammalogical and ornithological research in Rumania.
Trav Muz Nat 4:73-117 '63.

VENCOVSKY, Evzen; HELM, Bedrich.

Pseudopsychopathic syndrome caused by encephalitis from cat-scratch disease. Cas. lek. cesk. 95 no.41:1141-1144 12 Oct 56.

1. Psychiatricka klinika v Plzni, predn. docent MUDr. Evzen Vencovsky a chirurgicke oddeleni OUNZ v Klatovech, predn. primar MUDr. Bedrich Helm, Plzen, psychiatricka klinika.

(CAT SCRATCH DISEASE, compl.

encephalitis causing pseudopsychopathic synd. (Cz))

(ENCEPHALITIS, etiol. & pathogen.

cat-scratch dis., causing pseudopsychopathic synd. (Cz))

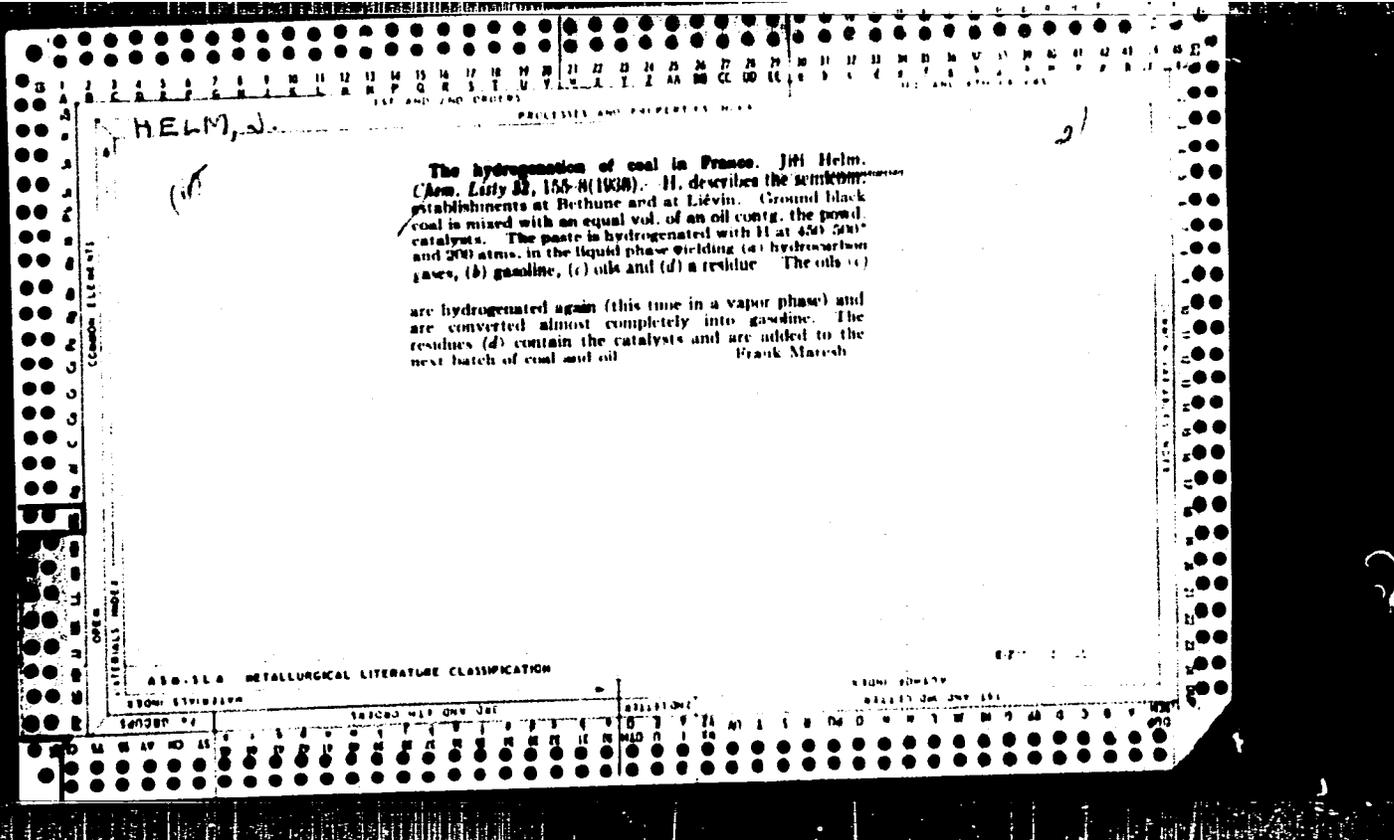
(MENTAL DISORDERS,

pseudopsychopathic synd. caused by encephalitis from cat-scratch dis. (Cz))

PROHAZKA, J., inz.; HELM, J., inz., dr.

International unification of methods for testing concrete aggregates. Stavivo 41 no.1:26-28 Ja '63.

1. Technicky a skusebni ustav stavebni, Praha.



CA
HELM, J.

21

Determination of free sulfur in coals and semicoals. Hretislav G. Simsek, Jiří Helm, and Jaroslav Kudrál (Úst. pro vřd. výzkum "Václav Štefánik", Prague). *Palma* 30: 23-6 (1980); cf. Gräfe, *C.A.* 34, 6709. A 10-g. sample is extd. with benzene at 78° or with CCl₄ at 60° for 24 hrs. H₂S is removed by shaking with CdCl₂ or Cd acetate and free S is pptd. by shaking with Hg. Hg sulfide is dissolved in aqua regia and the resulting H₂SO₄ is detd. as the Ba salt. Added S (from 0.1 to 4.8% of the extd.

semicoal) could be recovered quantitatively within ± 0.02%. The distribution of S compds. in 2 semicoals was detd. according to Bartoš (*C.A.* 44, 2741c). Semi-coal from Most and from Novak contained, resp.: total S 2.16, 1.57%; sulfate S 0.75, 0.31%; pyrite S 0.14, 0.35%; sulfide S 0.36, 0.16%; free S 0.00, 0.007%; organically bound S 0.82, 0.71%; combustible S 1.41, 1.20%. A coal from Rosice contained free S 0.15%.

Gerald Reed

CA
HELM, J.

22

The viscosity-temperature characteristics of mineral oils. J. H. Helm (Inst. Sci. Investigation Coal Minerals, Prague, Czech.) *Petroleum* 30, 265-7 (1950).—Of the many relations suggested for characterizing the η -temp. slope of mineral oils none are considered preferable to the established η index (V.I.) at least in the normal 0 to 100 V.I. range. In countries where the Fahrenheit scale is not used, V.I. can be calc'd. from data based on η at 50 and 100°. From Walther's formula (C. & E. 20, 4000'), conversions can be obtained by the expressions: $W_{100} = W_{50} + 1.01W_{50}$, $W_{50} = W_{100} - 1.01W_{100}$, where $k = 0.23801$, $c = 0.02073$, $W = \log \log (\eta + 0.6)$, and η is the kinematic η in centistokes. H. has calc'd. W' values and compiled them into a table, which is reproduced in part.

J. L. J.

Helm, Jiri

Pressure reduction of raw benzene. The H₂S and H₂O content of 60-65% benzene in the empty contact space could be determined by catalysts such as AlPO₄, bauxite, and silica when heated to 250° at 50 atm. and a space velocity of 2.3 l./h. If a higher H₂S content is objectionable, it can be removed by absorption on pyrites after decompression. The purified benzene is fractionally distd. and the fractions rich in cumene and toluene are removed. The refined benzene is under grade.

3

J. Helm

HELM, J.

HJ The recovery of sulfur from gases with thioacetamide solutions. J. Helm and M. Urychta (Gosinst. Fiziko-Biofizichesk. 4, 267-68 (1954)). *Ch. C.A.* 49,

9236b; Egorsiv, et al., The Removal of Sulfur from Chlorine and Other Gases, Moscow, 1950; Gallner, C.A. 48, 1841.
Joseph L. Montagna

JLM

(2)

1/1/54

HELM JIRI

CZECH

V Obtaining sulfur from carbonization gases by thioarsenate solution. Jiri Helm. Chem. Průmysl 4(29), 301-1 (1954).—In view of the shortage of S a possibility of its production from carbonization gases, coke-oven gas, or producer gas is studied. A pilot plant is described in which the Thylox process is used for 660 cu.m. per hr. of coke-oven gas. The S-removal process follows the scheme: $(NH_4)_2As_2S_5 + H_2S = (NH_4)_3As_2S_7 + H_2O$, $2(NH_4)_3As_2S_7 + O_2 = 3(NH_4)_2As_2S_5 + 2S$. The first part of the plant is a gas-washing unit where H_2S is absorbed countercurrently by the thioarsenate solution. In the second part the S is recovered by blowing in air. The S in suspension is filtered off and finally obtained in the form of a paste. The S paste is suitable for insecticides. A. Helvicki.

HELM, JIRI

Zkoušení ropy a jejích produktů. (Vyd. 1.) Praha, Státní nakl. technické literatury, 1957. 387 P. (Testing of crude oil and its products; a university textbook. 1st ed. illus., bibl., diagrs., graphs, index, tables.)

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

HELM, J.

1140 - Control of Chemical Production in Treating Cases of an
... .. Technology like products
... ..

File

regulieren. J. Heim. Publ. v. 37, Jan. 1894, p. 27-28.
Behavior of individual gas components in the storage chamber;
how to treat the gas for storage underground.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Treatment of Natural Gases and
Petroleum. Motor and Rocket Fuels. Lubricants.

H-23

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9291

Author : Helm J., Klima J.

Inst : -

Title : Conversion of Natural Gas.

Orig Pub : Paliva, 1957, 37, No 3, 88-96

Abstract : A technical and economic comparison has been made of modern procedures of thermal and catalytic conversion of natural gas for the purpose of producing therefrom substitutes for standard city gas. It is shown that under conditions of the Czechoslovak People's Republic it may be profitable to combine the process of conversion with air with the process of conversion with oxygen or steam, and that conversion with oxygen is advantageous only if large oxygen plants are available. Data are presented

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Treatment of Natural Gases and
Petroleum. Motor and Rocket Fuels. Lubricants.

H-23

APPROVED FOR RELEASE: 08/10/2001. CIA-RDP86-00513R000618010004-

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9291

concerning laboratory experiments on conversion of CH₄ with oxygen and with air enriched with O₂, in reactors of two types, with Ni-, Mg-catalyst on a ceramic carrier; with an output of 4 nm³/hour of the reaction mixture, space velocity of CH₄ of 400 hour⁻¹ and temperature of 875° the residual CH₄ content was of about 1%. It is shown that the preferable design of the reactor is that with a tangential feed of both gases through 2 nozzles located above the catalyst layer.

Card 2/2

//

HELM, L.

The use of a set in the chemical industry for measuring the level of bubbles.

p. 155 (Magyar Kemikusok Lapja. Vol. 12, n. 5/6, May/June 1957, Budapest, Hungary)

Monthly Index of East European Accessions (FEAL) IC. Vol. 7, no. 2,
February 1958

Country : Hungary
Category : Chemical Technology. Chemical Products and Their Applications--Instruments and Automation H-3
Abs. Jour. : Raf Zhur - Khim., No 11, 1959 38938
Author : Helm, L.
Institut. : Hungarian Academy of Sciences
Title : Hydraulic Controller

Orig Pub. : Meres es Automat, 6, No 4, 100-104 (1958)

Abstract : The construction and operating principle of a hydraulic controller developed by the Automation Research and Development Group at the Hungarian Academy of Sciences are described. A sketch showing the construction details of the controller is included together with a discussion of its dynamic characteristics.

M. Lyudmirskiy

Card: 1/1

HELM, L.

Determination of pneumatic capacities of variable volume. In English. p. 53.

ACTA TECHNICA. (Magyar Tudományos Akademia). Budapest, Hungary, Vol. 22,
No. 1/2, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959

Uncl.

Hela, L.

Continuous measuring of the material quantity suspended in a streaming medium. p.62

MERES ES AUTOMATIKA. (Mérstechnikai es Automatizalásis Tudományos Egyesület)
Budapest Hungary. Vol7, no.2/3, 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11
November 1959
Uncl.

HELM, L.

Pneumatic transmitting apparatus. p. 303

MERES ES AUTOMATKIA. (Merestechnikai as Automatizalasi Tudomanyos Egysulet)
Budapest, Hungary. Vol. 7, no.10, 1959

Monthly List of East European Accession (EEAI) LC, Vol.9 no. 1, Jan. 1960

Uncl.

HELM, L.

587/60. 521-535 2
Pneumatic position teletransmitter. L. Helm. *Revista de Automatica*, Vol. 7, 1959, No. 11, pp. 348-349, 8 figs.
Pneumatic teletransmitters have to transform displacements into proportional variations of pressure. The most simple way of achieving this is the use of nozzleed air jet amplifiers. Since signal transmission by a simple nozzleed amplifier is considerably influenced by external disturbances, chiefly by variations in the pressure of the air supply, feedback amplifiers are used with travel compensation where the difference between two displacements produces the pressure. Thus the feedback teletransmitter is a proportional element retaining proportionality over the entire working range. The advantage of this design is that it is to a large extent insensitive to air pressure variations.

JK
CRK

HELM, L.

H/012/60/000/007/001/001
B008/B056

AUTHOR: Helm László

TITLE: A Pneumatic Recording Instrument 4

PERIODICAL: Mérés és Automatika, 1960, No. 7, pp. 223-224

TEXT: This article was published in the series of MMG-publications. In the MMG a new pneumatic recording device was developed, Fig. 1 shows the scheme of this instrument. The pressure to be recorded is conveyed to a siphon diaphragm. The pressure caused by the membrane, which is proportional to the change of pressure, turns the arm (2). The lamella (4) of the nozzle (3) is supported by one end of the arm. The recording device is moved by increased pressure by means of the membrane (6) by way of a spring (7), the air supply being throttled by the capillary tube (5). The spring (7) is fastened to the writing device on the one hand, and to the arm (2) on the other. The motion of the writing device is, in reality, determined by the pressure of the arm (2). In equilibrium, the force proceeding from the membrane (1) is equal to the fraction of the spring (7).

Card 1/4

A Pneumatic Recording Instrument

H/012/60/000/007/001/001
B008/B056

If there is no equilibrium, the lamella (4) is shifted. It exercises more or less pressure upon the nozzle, so that the force acting upon the membrane changes, and the writing device is moved until equilibrium is re-established. The paper is moved by means of a mechanism which is synchronously connected by way of the gear A...D (Fig. 1). Paper velocity, measured in mm/h, depends on the number of teeth of the exchangeable gears. Table 1 gives the following data:

Paper velocity mm/h	Number of teeth			
	A	B	C	D
20	32	64	24	72
30	32	64	32	64
40	48	48	24	72
60	48	48	32	64
80	64	32	24	72
120	48	48	48	48
240	64	32	48	48
480	64	32	64	32



Card 2/4

A Pneumatic Recording Instrument

H/012/60/000/007/001/001
B008/B056

Further, the recording range, which is between 0.2 and 1 atm excess pressure is given. The pressure of the necessary air is 1.2 atm excess pressure and the measuring accuracy is $\pm 1\%$. The width of the paper is 120 mm. The operating voltage is 220 v. The whole device weighs about 16 kg. There are 3 figures and 2 tables.

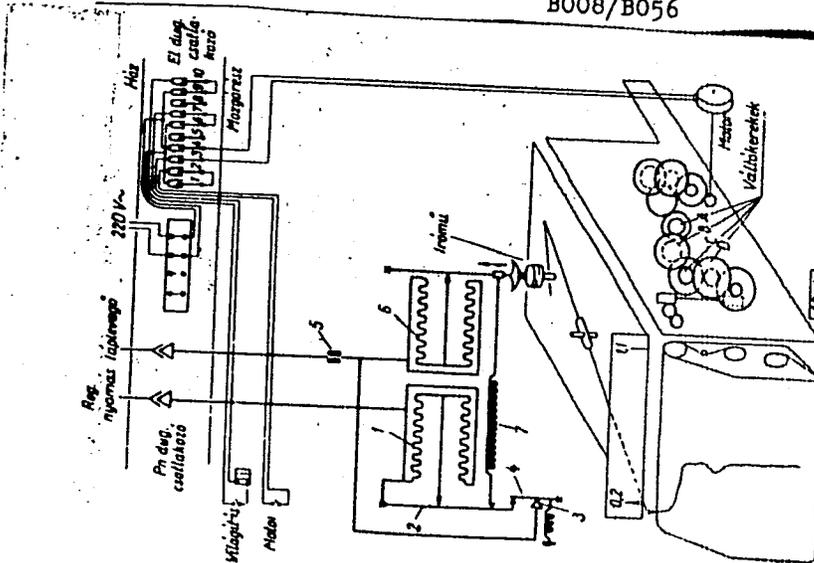
ASSOCIATION: Magyar Tudományos Akadémia Automatizálási Kutató Laboratórium
(Hungarian Academy of Sciences, Research Laboratory of
Automation)

SUBMITTED: May 23, 1960

Card 3/4

A Pneumatic Recording Instrument

H/012/60/000/007/001/001
B008/B056



Card 4/4

HELM, Laszlo, tudományos munkatárs

In commemoration of Norbert Wiener. Mérés automatika no. 6:
177 '64.

~~Small-size~~ pneumatic power amplifier and stabilized reductor.
Ibid., 202-204

1. Research Institute of Automation, Hungarian Academy of
Sciences, Budapest; Editorial board member, "Mérés és Automatika."

HELM, Laszlo

"Regulator of gas pressure" by K. Burkhardt and W. Kieseletter. Reviewed by Laszlo Helm. Meres automat 8 no.5:155 '60.